


THE  
URBAN DISTRICT COUNCIL  
OF  
GREAT CROSBY.

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ANNUAL REPORTS  
OF THE  
MEDICAL OFFICER OF HEALTH,  
AND  
SANITARY INSPECTOR  
FOR THE YEAR 1905.

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# ANNUAL REPORT

OF THE

## MEDICAL OFFICER OF HEALTH

FOR 1905.

THE CHAIRMAN AND MEMBERS OF THE  
GREAT CROSBY URBAN DISTRICT COUNCIL.

GENTLEMEN,

I beg to submit to you my Thirty-second Annual Report as to the health and sanitary state of the district during the past year; also the measures taken by the Sanitary Inspector and myself for the prevention of spread of disease.

The area of the District is 1768 statute acres above the sea shore at high water mark. The population at the last census (1901) was 6,400. It is now estimated at 10,211 and is increasing rapidly, building operations are being very extensively carried out and are likely to continue for some time to come.

The buildings being erected are of a superior residential class, very few, if any, of the working-class dwellings being amongst them.

As in my former reports, I have compiled tabular statements of the cases of sickness of the zymotic class, which have been notified to me, with their localities and results so far as known.

**Table of Notified Infectious Diseases.**

SCARLET FEVER.				No. of Cases.	Deaths.	No. sent to hospital.
Cavendish Road	..	..	..	2	..	..
Coronation Road	..	..	..	1	..	1
Harlech Road	..	..	..	1	..	..
Kilnyard Road	Sawyer's Cottages)			2	..	2
Liverpool Road	..	..	..	3	..	1
" "	Nazareth House			3	1	2
Lune Street	..	..	..	2	..	1
Merrilocks Road	..	..	..	1	..	..
Moor Place	..	..	..	3	1	..
Princes Avenue	..	..	..	1	..	..
Queens Road	..	..	..	1	..	..
Regent Road	..	..	..	2	..	2
The Green	..	..	..	1	..	..
Victoria Road	..	..	..	1	..	..
Warren Road	..	..	..	1	..	1
Total	..	..	..	25	2	10

DIPHTHERIA.					No. of Cases	Deaths.	No. sent to hospital.
Brighton Vale	..	..	..	..	2	..	..
College Avenue	..	..	..	..	1	..	..
Little Crosby Road	..	..	..	..	2	..	..
Total	..	..	..	..	5	..	..
TYPHOID FEVER ..					1	1	..
ERYSIPELAS.							
Belvidere Park	..	..	..	..	1	..	..
Liverpool Road (Nazareth House)	..	..	..	..	1	..	..
Moor Place..	..	..	..	..	1	..	..
The Green ..	..	..	..	..	1	..	..
Victoria Road	..	..	..	..	1	..	..
York Road ..	..	..	..	..	1	..	..
Total	..	..	..	..	6	..	..
Grand Total	..	..	..	..	37	3	10

It will be seen that the total number of notified cases for the year was thirty-seven. Ten were treated in Hospital, none of which died; the remainder were treated at home, three resulting fatally.

### Scarlet Fever.

Of this disease, twenty-five cases were notified. Seven were treated in Hospital, none of which proved fatal. Eighteen cases were treated at home, where two cases proved fatal.

The above number of cases shew a slight decrease as compared with last year, at the same time, I consider that even this number is too high for this locality, and I attribute the cause of the excess to the near proximity to Liverpool and surrounding towns, where the disease has been very prevalent for some months past.

The residents of this district are mostly business people, employed in Liverpool and Bootle, and daily visit these towns.

Careful investigation has been made for the purpose of tracing any local source of infection, but none could be found in any of the cases notified, which have occurred in various parts of the district, and have not been confined to any particular locality.

### Diphtheria.

Five cases were notified from this cause. All were treated at home ; none proved fatal.

### Typhoid Fever.

One case of this disease was notified, which was treated at home. The patient died.

### Erysipelas.

There were six cases of this disease, all treated at home, and all recovered.

Dr. Hope, the Medical Officer of Health for Liverpool, notified me of two separate contact cases of small-pox, of persons who resided in this district. I directed the Sanitary Inspector to visit and advise them as to the desirability of re-vaccination, also to notify the Authority in case of illness, &c.

The subjoined table gives the number of patients removed to and treated in the Infectious Hospital for the past ten years :—

1896	1897	1898	1899	1900	Census pop. 1901	1902	1903	1904	1905
3	0	9	23	16	7	17	16	10	10

The average number of cases treated in Hospital for the past ten years is 11.

### Hospital Account.

The cost for hospital accommodation was as follows:—

<i>Dr.</i> —Annual contribution for maintenance of									
hospital to Bootle to March 31 ... ..						£6	1	3	
Cost of maintenance of patients and their re-									
moval to Liverpool Infectious Hospital									
since March 31 ... ..						50	14	0	
						<hr/>			
						£56 15 3			
<i>Cr.</i> —The amount received from patients or									
the West Derby Union ... ..						£3	18	5	
" Private Patient ... ..						7	7	7	
Claim outstanding ... ..						9	3	0	
						<hr/>			
						20 9 0			
						<hr/>			
						£36 6 3			
						<hr/>			
						Nett cost ...			
						£36 6 3			
						<hr/>			

## Health of District.

With the exception of scarlet fever, the number of cases of a preventible nature have been very few, and have been diminishing in number for the past few months, and the diminution is likely to continue for some time to come, as every precaution is being taken to keep the district in a good sanitary condition by constant sewer flushing, the cleansing of house drains, roads, and back passages.

I cannot see anything likely to affect injuriously the public health in this district, situate as it is in near proximity to the sea shore, and having regard to the care and attention taken to remedying any unhealthy conditions occurring from time to time.

Excrement disposal is by water carriage to the sea—though some privies still exist a considerable distance from dwelling houses. All house refuse has been removed by contract up to the present, but the Council contemplate carrying out this work by a staff under their own supervision. It is disposed of by tipping into pits on various farms at a distance from dwelling houses, and is not allowed to accumulate in the ashpits, or bins, which are emptied frequently.

## Water Supply.

The water supply is obtained from the Liverpool Corporation, and is wholesome and free from risks of pollution, and there is an ample and constant service.

## Inspection of the District.

The district has been systematically inspected by the Sanitary Inspector and myself together throughout the year, and we have also made many inspections separately of places where special nuisances have been reported to exist.

The action arising from these inspections, and the means taken for the abatement of any nuisances dealt with, will be found in the Report furnished by the Sanitary Inspector under their respective headings.

## VITAL STATISTICS.

### Zymotic Death Rate.

The deaths which have occurred from this class of disease are :—

Measles	..	..	..	..	..	..	1
Scarlet Fever	..	..	..	..	..	..	2
Enteric Fever	..	..	..	..	..	..	1
Influenza	..	..	..	..	..	..	1
							<hr/>
Total	..	..	..	..	..	..	5
							<hr/>

giving a zymotic death rate of **0.48** per 1000 per annum.

### Birth Rate.

The number of births registered in the district during the year were 99 males and 110 females, the total being **209**, giving a birth rate of **20.46** per 1000 ; as against 90 males and 91 females, total **181**, or a birth rate of **19.79** last year.

### Birth Rate for the past 10 years.

1896	1897	1898	1899	1900	Census pop. 1901	1902	1903	1904	1905
23.17	22.92	18.18	19.59	19.61	21.44	17.89	21.64	19.79	<b>20.46</b>

The average birth rate for the past 10 years = **20.46** per 1000.

### Death Rate.

The number of deaths during the year (58 males and 44 females) total **102**, giving a death rate of **9.93** ; as against (54 males and 60 females) total 114, or a death rate of **12.46** last year. It will be noticed that this death rate is a very low one, and had not the lamentable "Hall Road Railway Disaster" occurred on July 27th (when 20 persons were killed), the death rate would have been further reduced to **8.03** per 1000 per annum, this fact being worthy of notice.

Of the above deaths 20 were of children under 5 years of age (15 of these being under one year), and 25 were of persons over 65 years of age, 20 of this latter number being persons over 70 years, the oldest being 84 years.

### Death Rate for the past 10 years.

1896	1897	1898	1899	1900	Census pop. 1901	1902	1903	1904	1905
11.72	11.72	8.30	12.41	12.57	12.57	11.19	9.81	12.46	<b>9.98</b>

The average death rate for the past 10 years = **12.27** per 1000.

### Table of Deaths for the Year.

Under 1 year	..	..	..	..	..	..	15
1 year and under 5 years	..	..	..	..	..	5	
5 years and under 15 years	..	..	..	..	..	11	
15 and under 25 years	..	..	..	..	..	12	
25 and under 65 years	..	..	..	..	..	34	
65 years and upwards	..	..	..	..	..	25	
Total	..	..	..	..	..	<u>102</u>	

Deaths for the year ending December 31st, 1905.

Rate of infant deaths (under 1 year) to 1000 births, **71.77**.

### Rainfall for the Year 1905.

By the courtesy of Aleya Lyell Reade, Esq., Park Corner, Blundellsands, I am enabled to add to this Report statistics of the rainfall of this neighbourhood.

The gauge is a 5-inch one, taken at 1 foot above ground, 32.87 feet above Ordnance datum.

The total rainfall for 1905 is the lowest recorded here for any year since the Record was started in 1876.

#### MONTHLY RAINFALL AT BLUNDELLSANDS.

	1900.	1901.	1902.	1903.	1904.	1905.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
January .. ..	4.20 ..	2.19 ..	1.61 ..	2.12 ..	2.19 ..	1.16
February .. ..	2.97 ..	1.43 ..	1.81 ..	2.05 ..	4.25 ..	1.09
March .. ..	1.07 ..	1.38 ..	1.75 ..	3.30 ..	1.60 ..	2.87
April .. ..	1.13 ..	1.28 ..	1.49 ..	1.72 ..	1.12 ..	1.96
May .. ..	.75 ..	0.93 ..	3.23 ..	2.59 ..	1.85 ..	0.28
June.. ..	2.52 ..	1.49 ..	1.85 ..	2.19 ..	1.20 ..	1.54
July.. ..	0.79 ..	1.43 ..	2.05 ..	1.96 ..	0.96 ..	1.94
August .. ..	6.90 ..	2.56 ..	1.79 ..	3.71 ..	2.95 ..	2.71
September .. ..	0.80 ..	0.94 ..	0.72 ..	4.41 ..	2.66 ..	1.45
October .. ..	3.29 ..	2.87 ..	2.85 ..	6.88 ..	1.96 ..	2.76
November .. ..	3.69 ..	3.35 ..	1.62 ..	2.90 ..	1.70 ..	3.91
December .. ..	3.01 ..	3.31 ..	2.05 ..	1.58 ..	2.85 ..	0.38
Total Inches ..	<u>32.12</u> ..	<u>23.16</u> ..	<u>22.82</u> ..	<u>35.41</u> ..	<u>25.29</u> ..	<u>22.05</u>

The average yearly fall for the previous twenty-nine years was *29.95 inches*.

The driest of these twenty-nine years was 1902—with *22.82 inches*.

The wettest day in 1905 was on July 26, when *0.68 inches* fell. We have never before had a year in which there was not at least one larger fall here. The number of rainy days was 176 against 170 in 1904, when the total fall for the year was *25.29*. As in 1904, there has been a remarkable absence of drought; the longest succession of rainless days having been from May 11 to 22—twelve days. On the whole, the rain has been very evenly distributed over the months, with the exception of May and December. The falls for March, April and November, exceeded the average fall for each of those months during the preceding twenty-nine years.

TABLE I. Vital Statistics of Whole District during 1905 and Previous Years.

Year.	Population estimated to middle of each year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				Total Deaths in Public Institutions in the District.	Deaths of Non-residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	Nett Deaths at all Ages belonging to the District.	
		Number.	Rate.*	Under 1 Year of Age.		At all Ages.					Number.	Rate.*
				Number.	Rate per 1,000 Births registered.	Number.	Rate.*					
1895	7,032	148	21.04	10	67.56	60	8.53	..	..	..	60	8.53
1896	7,164	166	23.17	21	126.50	84	11.72	..	..	..	84	11.72
1897	7,417	174	22.92	26	152.94	87	11.72	..	..	..	87	11.72
1898	7,589	138	18.18	15	108.69	63	8.30	..	..	..	63	8.30
1899	7,654	150	19.59	19	126.66	95	12.41	..	..	..	95	12.41
1900	7,974	156	19.61	12	76.92	100	12.57	..	..	..	100	12.57
1901	7,555	162	21.44	21	80.99	95	12.57	..	..	..	95	12.57
1902	7,768	139	17.89	19	73.15	87	11.19	..	..	..	87	11.19
1903	8,044	174	21.64	16	108.70	79	9.81	..	..	..	79	9.81
1904	9,142	181	19.79	26	69.60	114	12.46	..	..	..	114	12.46
Average for years 1895 to 1904	7,733	158	20.52	18.5	99.17	86.4	11.12	..	..	..	86.4	11.12
1905	10,211	209	20.46	15	71.77	102	9.98	..	..	..	102	9.98

\* Rate calculated per 1,000 of estimated population.

AT CENSUS OF 1901.—Total Population at all ages 7,555. Number of inhabited houses 1,368.

Average number of persons per house 5.52. Area of District in acres (exclusive of area covered by water) 1,768.

TABLE II.

**Vital Statistics of separate Localities in 1905 and  
previous years.**

YEAR.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under one year.
1895 ..	7,032	148	60	10
1896 ..	7,164	166	84	21
1897 ..	7,417	170	87	26
1898 ..	7,589	138	63	15
1899 ..	7,654	150	95	19
1900 ..	7,974	156	100	12
1901 ..	7,555	162	95	21
1902 ..	7,768	139	87	19
1903 ..	8,044	174	79	16
1904 ..	9,142	181	114	26
Averages of Years 1895 to 1904. }	7,733	158	86.4	18.5
1905 ..	10,211	209	102	15

TABLE III.

**Cases of Infectious Disease notified during the Year 1905.**

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						
	At all Ages.	At Ages—Years.					
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.
Diphtheria .. ..	5	..	1	2	2	..	..
Erysipelas .. ..	6	..	..	1	..	5	..
Scarlet Fever ..	25	..	6	15	1	3	..
Enteric Fever ..	1	..	..	..	1	..	..
Totals .. .. .	37	..	7	18	4	8	..

TABLE IV. Causes of, and Ages at, Death during 1905.

CAUSES OF DEATH.	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.						
	ALL AGES.	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and up-wards.
Measles .. .. .	1	..	1	..	..	..	..
Scarlet Fever .. .. .	2	..	1	1	..	..	..
Fever—Enteric .. .. .	1	..	..	..	1	..	..
Influenza .. .. .	1	..	..	..	..	1	..
Phthisis (Pulmonary Tuberculosis)	5	..	..	2	..	3	..
Other tubercular diseases .. ..	6	..	..	..	1	1	4
Cancer, malignant disease .. ..	6	..	..	..	..	3	3
Bronchitis .. .. .	8	1	..	..	..	1	6
Pneumonia .. .. .	4	..	1	1	..	1	1
Other Diseases of Respiratory Organs .. .. .	1	..	..	1	..	..	..
Premature Birth .. .. .	3	3	..	..	..	..	..
Heart Diseases .. .. .	12	3	..	1	..	5	3
Accidents .. .. .	22	1	..	3	7	11	..
Suicides .. .. .	1	..	..	..	..	1	..
All other causes .. .. .	29	8	2	1	2	6	10
All causes .. .. .	102	16	5	10	11	33	27

TABLE V.

## Infantile Mortality During the Year 1905.

Deaths from stated Causes in Weeks and Months under one Year of Age.

CAUSE OF DEATH.													Total under 1 Month.	1—2 Months.	2—3 Months.	3—4 Months.	4—5 Months.	5—6 Months.	6—7 Months.	7—8 Months.	8—9 Months.	9—10 Months.	10—11 Months.	11—12 Months.	Total Deaths under One Year.										
All Causes.													7	1	3	..	1	1	..	..	1	..	1	..	..	15									
WASTING DISEASES—																																			
Premature Birth .. .. .													2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..		
Congenital Defects .. .. .													2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Injury at Birth .. .. .													1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Convulsions .. .. .													1	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	4
Bronchitis .. .. .													1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	2
Other Causes .. .. .													..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
													7	1	3	..	1	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	8		

Deaths from all Causes at all Ages .. .. . 102.

Population (estimated to middle of 1905) .. .. . 10,211.

## Summary of Medical Officer's Report for 1905.

Area in Statute Acres—1,768.

Population (Census) 1901—7,555. Population (Estimated) 1905—10,211

Name of Medical Officer of Health—*Wm. S. Limrick*. Salary—£60.

Births registered; Male—99; Female—110; Total—209.

Deaths registered (nett deaths belonging to the district); Male—44;  
Female—58; Total—102.

Number of Illegitimate Births registered—*No returns*.

Illegitimate Deaths under one year of age—*No returns*.

Birth rate—20·46. Death rate—9·98. Rate of Infant Deaths, under one year, to 1,000 Births—71·77.

Death rate from the seven principal Zymotic diseases per 1,000 of population—0·48.

Diseases prevalent?—*Scarlet Fever (but not serious)*. Period?—*Latter part of the year*.

What action taken?—*Isolation and Disinfection*.

Any Schools closed?—*None*.

What is the character of the Hospital Accommodation?—*Very good*.

Is it Joint or otherwise?—*Joint with Bootle Corporation till March; Liverpool Corporation since*.

Number of Beds available for the District?—*As many as required*.

Number of cases treated? *Scarlet Fever—10*.

Deaths in Hospital?—*None*.

How is Disinfection carried out? Houses—*By Fumigation*. Clothing, Bedding, &c.—*Stoved*. Apparatus used?—*Dry Gas Stove*.

Number of cases of Infectious Disease notified?—37.

Are any Diseases not specifically mentioned in the Act notifiable (for instance, Measles, Whooping Cough, Diarrhœa, Chicken Pox, &c.)? If so, what are they?—*No*.

Has any arrangement been made for the "voluntary" notification of Phthisis?—*No*.

Has any action been taken under "The Housing of the Working Classes Act"?—*No*.

How many houses condemned as unfit for human habitation, and how many closed or demolished?—*None*.

From where is the Water Supply obtained, and what is its condition? Is it subject to your Inspection?—*Liverpool Water Committee—Good. Yes*.

Is Scavenging carried out satisfactorily?—*Yes*.

By Sanitary Authority or contract?—*The roads are scavenged by the Sanitary Authority; ashpits, bins, etc., by contract*.

### Summary of Medical Officer's Report—Continued.

How is the Refuse disposed of?—*By "tipping" on waste land.*

What is the character of Drainage, and the form of Sewage Disposal?

*Water Carriage of Crude Sewage to Sea.*

Canal Boats (Number Inspected, &c.)?—*None.*

What is the condition of the Bakehouses?—*Very Good.*

Slaughter Houses?—*None.*

Lodging Houses? Are they Registered?—*None Registered.*

Dairies, Cowsheads, and Milkshops—

Are they periodically inspected?—*Yes.*

What is their condition?—*Very Good.*

Are they subject to Regulations made under the order of the Local Government Board?—*Yes.*

What amount of air space in cubic feet is required for each cow?—*600 cubic feet per Cow.*

Food unfit for Human Consumption. Amount seized?—*None.*

Any Special Report of Medical Officer of Health during the year?—*No.*

Department of Inspector of Nuisances—

No. of Notices served—*Vide Report.*

„ Nuisances remedied—*Vide Report.*

„ Legal Proceedings taken, and result—*Vide Report.*

Smoke.—

No. of Observations—*Vide Report.*

„ Legal Proceedings taken, and result—*One Case. Vide Report.*

What is the time limit allowed for the emission of black smoke per hour?—*No time limit.*

Has the Authority adopted—

(a) "The Infectious Disease (Prevention) Act, 1890"?—*Yes.*

(b) "The Public Health Acts Amendment Act, 1890"?—*Yes.*

## Factories, Workshops, Laundries, Workplaces and Homework.

### 1.—Inspection.

Including Inspections made by Sanitary Inspectors, or  
Inspectors of Nuisances.

Premises.	Number of	
	Inspections.	Written Notices.
Factories (including Factory Laundries) ..	6	—
Workshops (Including Workshop Laundries) ..	38	1
Workplaces .. .. .	1	—
Homeworker's Premises .. .. .	1	1
Total .. .. .	46	2

### 2.—Defects Found.

Particulars.	Number of Defects.	
	Found.	Remedied.
Nuisances under the Public Health Act:—		
Want of cleanliness .. .. .	8	8
Want of ventilation .. .. .	5	5
Sanitary Accommodation, unsuitable or defective ..	2	2
Total .. .. .	15	15

3.—Other Matters.

Class.	Number.
Matters notified to H.M. Inspectors of Factories :—	I
Failure to affix Abstract of the Factory and Workshop Act (s. 133) ..	11
Fencing of Machinery and Fire Exits .. .. .	3
Underground Bakehouses (s. 101)	
Certificates granted during the year .. .. .	2
In use at the end of the year .. .. .	2
Important classes of workshops, such as workshop bakehouses, may be enumerated here :—	
Factories and Workshops .. .. .	7
Underground Bakehouses .. .. .	2
Bakehouses .. .. .	5
Workshops and Workplaces.. .. .	12
Total number of workshops on Register.. ..	26

I am, Mr. Chairman and Gentlemen,

Your obedient servant,

W. S. LIMRICK,  
*Medical Officer of Health.*

## SANITARY INSPECTOR'S REPORT.

### Disinfection.

The following tables give the particulars and the number of rooms fumigated with sulphur for infectious diseases, &c., in which the Council have disinfected the bedding, &c.

NUMBER OF ROOMS FUMIGATED.

Scarlet Fever.	Typhoid Fever.	Measles.	Diphtheria.	Erysipelas.	Cleansing.	Chicken Pox.	Rooms Total.
28	1	0	3	0	1	9	42

NUMBER OF TIMES STOVE USED, AND FOR WHAT PURPOSE.

Scarlet Fever.	Typhoid Fever.	Measles	Diphtheria.	Erysipelas.	Cleansing.	Times Total.
19	1	0	2	0	2	24

The following is the description and number of articles subjected to the dry heat process, for which the stoves have been used :—

Beds	..	..	..	..	..	..	..	..	42
Mattresses	..	..	..	..	..	..	..	..	17
Blankets, Sheets, Counterpanes, Rugs, &c.	..	..	..	..	..	..	..	..	123
Pieces of Bedding, Pillows, Bolsters, &c.	..	..	..	..	..	..	..	..	65
Wearing Apparel	..	..	..	..	..	..	..	..	130
Carpets, Rugs, and Curtains, &c.	..	..	..	..	..	..	..	..	13
Total	..	..	..	..	..	..	..	..	390

In addition to the above there have been several books from the "Carnegie" Library disinfected, these books having been recalled by the librarian from houses in which infectious disease had occurred.

## Mortuaries.

The Mortuary on the shore has not been used during the year, but the one in the store yard, at College Road, has been used twice, once for a newly-born child found on shore—verdict, found dead, unknown—and once for a man suicide, poisoned by drinking spirits of salts.

## Sanitary Improvements.

### NOTICES SERVED.

Under Section	19	...	...	" P.H.A.A. Act."	...	...	...	4
"	...	...	...	" Quarries Fencing Act "	...	...	...	3
"	91	P.H.A., 1875,	" Abatement of Nuisance "	...	...	...	...	96
"	120	"	"	" Cleansing after Infectious Disease "	...	...	...	
"	75	T.I.C.A., 1847,	" Dangerous Buildings, &c."	...	...	...	...	2
"	62	P.H.A., 1875,	" Water Supply "	...	...	...	...	2
Total								<u>115</u>

Many of the above notices are of a comprehensive character, and apply in many cases to several premises; there were many sanitary defects discovered and pointed out to the owners and tenants of premises, who at once had the same amended and put right without any notice being required—hence, these amendments do not appear in the following list; while general notices, in the shape of handbills or posters, have been placed throughout the district, calling upon persons to cleanse ditches, water-courses, &c., to remove offensive accumulations, and to repair dangerous fences, buildings, &c.

It must be noted that in many houses where infectious disease occurred, the occupier was either the owner or a tenant of the better class, hence notice to cleanse, under section 120, was unnecessary, the work being done by the owner or occupier.

Details of the above notices are as follow :—

### DESCRIPTION OF THE SANITARY AMENDMENT.

#### PRIVY DEFECTS.

- |  |              |
|--|--------------|
|  | No. Amended. |
| 1. Foul privies converted into properly constructed water-closets (complete) ... | 11           |

#### ASHPITS.

- |   |    |
|---|----|
| 2. Ashpits deep and foul filled to ground level, and suitably paved or amended, &c. | 10 |
|---|----|

## WATER-CLOSET DEFECTS.

		No. Amended.
3.	Defective and broken water-closet basins opened up, repaired, or replaced ...	21
4.	Foul water-closet basins and traps cleaned or replaced... ..	6
5.	Water-closets rejointed ... ..	5
6.	Do. store cisterns cleansed ... ..	1
7.	Do. provided with efficient water supplies ... ..	9
8.	Do. soil-pipes refixed and ventilating shafts repaired, and joints re-caulked ... ..	11
9.	Do. soil-pipes base broken and defective ... ..	9
10.	Do. do. provided with ventilating shaft ... ..	2
11.	Do. constant ventilation provided ... ..	4
12.	Do. and drain joints defective ... ..	10
13.	Do. roofs reconstructed (and in progress) ... ..	6

## WASTE PIPE, &amp;c., DEFECTS.

14.	Waste pipes defective, disconnected or trapped ... ..	4
15.	Do. brickwork, and pavement under same amended ... ..	9
16.	Sinkstone pipe defective, replaced ... ..	

## SUNDRY DEFECTS.

17.	Defective system of drainage reconstructed and partially reconstructed, affecting several premises ... ..	9
18.	Intercepting traps inserted, and broken ones replaced ... ..	2
19.	Airways to intercepting traps provided ... ..	4
20.	Drains and water-closets choked or defective, opened and properly cleansed	49
21.	Defective and broken gullies, D. and wet traps replaced ... ..	4
22.	Defective drains in basements or houses removed ... ..	4
23.	Defective joints to water-closet drains and gullies repaired ... ..	13
24.	Downspouts, &c., choked ; eaves, gutters, roofs defective repaired ... ..	4
25.	Do. disconnected and repaired ... ..	6
26.	Soft water cisterns cleansed of foul and stagnant water or abolished ... ..	2
27.	Basements cleared of sewage .. ..	1
28.	Basements having defective floors, and foul ... ..	1
29.	Foul and stagnant water on premises, land, &c., removed ... ..	11
30.	Yard and passage pavements defective and made good... ..	6
31.	Ventilation to premises and basements provided ... ..	1
32.	Watercourses, ditches, pits, cleansed ... ..	9
33.	Dangerous buildings, walls, roofs, &c. ... ..	1
34.	Land, Pits, without secure and sufficient fencing .. ..	2
35.	Premises cleaned and whitewashed ... ..	7
36.	Smoke nuisances abated ... ..	1
37.	House walls (damp) re-pointed ... ..	1
38.	Ashpits, delapidated walls, &c., repaired or removed ... ..	5
39.	Depositing offensive matter on land removed ... ..	5
40.	Defective lead sink trap and waste pipes amended ... ..	3
41.	Houses provided with town's water supply ... ..	4
42.	Animals so kept as to be a nuisance ... ..	3
43.	Domestic well cleansed, repaired and protected.. ..	1
44.	Houses having a combined drainage separated ... ..	10
45.	Intercepting traps choked removed or repaired ... ..	2
46.	Premises cleared of manure, filth, &c. ... ..	1

In carrying out the above amendments, the Council instructed their Solicitor, *in all cases of default*, to write, and urge the completion of the work demanded, the result being that in only two cases was it found necessary to take proceedings before the magistrates. One case was dismissed on a technical objection without costs; the other, an order was made for abatement, with costs. Against this order an appeal was lodged, but afterwards abandoned, and the appellant ordered to pay costs.

### **Ditches and Watercourses.**

Though the attention of farmers and others interested in the above is repeatedly called to the cleansing and bottoming of ditches and watercourses, when in a low and fit condition, this work is not executed as it might be. Such neglect must entail considerable loss, damage, and inconvenience to themselves and others.

### **Offensive Accumulations.**

To prevent garden refuse and other objectionable matter being "dumped" on vacant land, owners have been written to, and in some cases "Notice Boards" fixed, which in several cases has had the desired effect.

### **Bakehouses.**

Certificates were granted for two underground bakehouses in the early part of the year, after the necessary amendments had been carried out to comply with the regulations under the Factory and Workshops Act of 1901.

### **Dairies.**

DAIRIES, COWSHEDS, AND MILK SHOPS' ORDER, 1885.

The Dairies and Cowsheds in the district have been periodically visited, and the Local Government Board's regulations duly enforced.

There are now 21 of such premises on the Register, three of which during the year received the careful investigation and surveillance of the Medical Officer of Health and myself, to ensure the Board's regulations being complied with before the same were placed on the Register.

## **Smoke Prevention and Abatement,**

Observations have constantly been made for the purpose of taking steps to prevent any nuisance arising from an excessive discharge of black smoke, and in one case proceedings were instituted, but the magistrates dismissed the case on a technical objection "without costs" to either party.

### **Smoke Test Applied to Drains.**

During the year 228 tests have been applied to drains, for the abatement of nuisances; and after infectious cases; also to the drains of new houses before occupation.

Thirty-four of the above tests were made in response to applications made either by the tenant or the owner (for which a small charge is made by the Council), and I may say that, as heretofore, the result was that in nearly all cases tested defects in the drainage were discovered—some being of a serious nature, others less serious. At the same time, many of these defects could only have been discovered by some method of pressure testing. There were 36 certificates issued as to the condition of drains tested, and notices to amend were issued in all cases where defects were discovered, and the notices complied with.

### **Factory and Workshops Act, 1901.**

The district of Blundellsands and Crosby being of the urban residential type, and containing but few Factories and Workshops, there is not much to report upon under this head. Such premises as were found to require amendment were amended, and it was not found necessary to take any strong measures to enforce compliance with the regulations of the Local Government Board.

There are twenty-six Factories and Workshops on the Register, all of which have been duly inspected, and in eleven cases it was necessary to call attention to the absence of the "Abstract." Two cases were required to provide efficient and proper fencing-off of machinery, and in one case a better means of Fire Escape for the workmen.

### **Schools.**

As mentioned in my last Report, the Medical Officer and myself suggested the daily flushing and disinfecting of the public day schools'

urinals, and w.c.'s by the Council's staff, at a joint cost to be defrayed by the Council and the Educational Committee, which I am sorry to say has not been carried out.

The Medical Officer and myself visited and inspected certain Fried Fish and Potato Shops in this district, and in one case the shop was closed, owing to insanitary conditions.

I would respectfully suggest that an iron tank on wheels be provided of a capacity of say 200 or 250 gallons, for the purpose of flushing the drains or sewers in the much used and crowded back passages, and where the gradients are slow.

Leaflets upon the proper construction of pigsties and in regard to anthrax were received from the Local Government Board, and were distributed as requested.

The Congress of the Royal Institution of Public Health was held in London in July last, which I had the pleasure of attending.

I have the honour to remain,

Mr. Chairman and Gentlemen,

Your obedient Servant,

SAMUEL WILSON,

*Assistant Surveyor, Nuisance Inspector, and  
Factory and Workshops Inspector.*

*January, 1906.*